iv. IOP Calculation
SP-100 Handy Pachymeter

```
        MENU
TIME-DATE  SOUND
VELOCITY   DATA SEL
PRINTOUT
Pachy | IOP | SEL | EXIT
```

MENU
Press F2 (IOP) to go to IOP Calculation Main.

```
RIGHT IOP CALCULAT.
ΔP=( 554- CCT)*0.0450
TONOMETRY=26.0 mmHg
CCT      = 553 μm
Adj.IOP  =25.6mmHg
R/L | TONO | CCT | EXIT
```

IOP Calculation Main
Press F1 (R/L) to change screen for RIGHT / LEFT.
Press F2 (TONO) to go to TONOMETRY INPUT.
Press F3 (CCT) to go to CCT&PARAMETER INPUT.
Press F4 (EXIT) to go back to MENU.

```
  TONOMETRY INPUT
LEFT       RIGHT
|   mmHg 26.0 mmHg
1 2 3 4 5 6 7 8 9
0 -
R/L | BS | SEL | CALC
```

TONOMETRY INPUT
Change values by pressing ◀ ▶ to select a number, then press F3 (SEL) to enter. Press F4(CALC) to go back to IOP Calculation with Calculation results, if applicable.

```
    CCT INPUT
LEFT        RIGHT
    μm       553 μm
1 2 3 4 5 6 7 8 9
0 -
R/L | BS | SEL | PARAM
```

CCT INPUT
Change values by pressing ◀ ▶ to select a number, then press F3 (SEL) to enter. Press F4(NEXT) to continue on to PARAMETERS INPUT.

```
  PARAMETERS INPUT
ΔP=(  -CCT)*0.0450
1 2 3 4 5 6 7 8 9
0 -
1/2 | BS | SEL | CALC
```
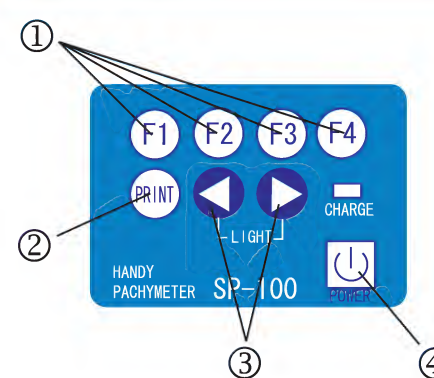
PARAMETERS INPUT
Change values by pressing ◀ ▶ to select a number, then press F3 (SEL) to enter. Press F1 (1/2) to move highlighted cursor between Parameter 1 and 2. Press F4(CALC) to go back to IOP Calculation with Calculation results, if applicable.

---

i. Operation Panel
SP-100 Handy Pachymeter

① **Function Key**
Each key works as displayed on the buttom of the screen

② **PRINT Key**
Press this key to print with built-in Printer

③ ◀ ▶ **Keys**
1, Move highlighted
2, Press both button simultaneously to turn the back light ON and OFF

④ **POWER Key**
Main Power ON and OFF

ii. Operation Screen

Measurement Screen

```
RIGHT 1:      5:
LAST  2:      6:
      3:      7:
      4:      8:
AVG. : 561 μm  SD: 28.3
R/L | INDEX | EDIT | NEW
```
⑧
⑤ ⑥ ⑦

EDIT screen

```
RIGHT 1: 548   5: 583
LAST  2: 572   6:
      3: 553   7:
      4: 548   8:
AVG. : 561 μm  SD: 28.3
Pachy | CLR | DEL | MENU
```
⑨ ⑩ ⑪

Setup Menu screen

```
        MENU
TIME-DATE  SOUND
VELOCITY   DATA SEL
PRINTOUT
Pachy | IOP | SEL | EXIT
```

⑤ **R / L Key**
Select right eye or left eye to be measured

⑥ **EDIT Key**
Press this key to review measured data

⑦ **NEW Key**
Press this key to measure next patient

⑧ **RIGHT / LEFT Indicator**
Indicate selected eye to be measured

⑨ **CLR Key**
Press this key to clear measured data for one eye from the display and memory

⑩ **DEL Key**
Press this key to delete only highlighted data on EDIT screen

⑪ **MENU Key**
Press this key to switch screen into Setup screen (MENU screen)

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iii. Operation

SP-100 Handy Pachymeter

1. PRIOR TO USE
(a) Connect the probe to the terminal and make sure the tip is dry.
(b) Power ON④ and the screen shows the ultrasound velocity followed by the measurement screen. If [PROBE ERROR!] appears, check the connection or verify the probe tip is dry.
(c) Press F1 key (R/L:⑤) to switch Right eye and Left eye for measurement.⑧

2. MENU
Change Settings: Select EDIT⑥ then MENU⑪ to go to Setup. (See next page for details)

3. MEASUREMENT
(a) Apply pachymeter probe tip perpendicular to corneal surface, not pressing hard
(b) When the unit is on the measurement screen and all conditions are ready, the unit starts measuring automatically. A beep will tell you exactly when the measurement is taken.
(c) When the measurements of one position is done, two short beeps sound. Start measurement for another position, when the cursor on the screen moves next.
(d) Up to 8 readings can be temporarily stored in the unit. Press R/L⑤ to switch and take the measurement of another eye.

4. EDIT
Press "CLR" ⑨ to clear all the data for one eye. Press "DEL"⑩ to deletes the highlighted data. Both should be pressed and held for a few seconds until they function.

5. PRINT
Press "PRINT"② to print the data. "Standard" gives all patient data as well as all measurement results. "Simple" gives Patient ID and all the measurement results.

6. Next Patient
Press "NEW"⑦ and keep holding it until the unit gives short beep. This clears all patient data and measurement results in order to measure the next eye.

7. Shut Down
Press "Power"④ to turn off the main power. Clean the probe and store it on the probe holder on the right side of the unit.

Auto Light-Off ---- 1 minute of no operation
Auto Power-Off ---- 3, 6 or 10 min. of no operation

---

iv. MENU Options

SP-100 Handy Pachymeter

```
          MENU
TIME-DATE    SOUND
VELOCITY    DATA SEL
PRINTOUT    AUTO OFF
Pachy  IOP   SEL  EXIT
```

```
YEAR  MONTH  DAY
2004 /  09 /  24
   HOUR    MIN.
    16  :  30
              SEL  EXIT
```

```
       SOUND
  -    >   >>   >>>
                  EXIT
```

```
VELOCITY: 1640 m/s
                  EXIT
```

```
  DATA SELECTION
     AVERAGE
     LATEST
     MINIMUM
              EXIT
```

```
     PRINTOUT
STANDARD   SIMPLE
              EXIT
```

MENU TOP
(a) TIME-DATE: Setup Time & Date
(b) SOUND: Beep volume can be changed
(c) VELOCITY: Ultrasound Velocity for Calculation can be changed
(d) DATA SEL: Average, Latest and Minimum data display
(e) PRINTOUT: "Standard" or "Simple" printout mode option
(f) AUTO OFF: 3, 6 and 10 Min. Auto Power Off time can be adjusted

TIME-DATE
Change date and time. Press ◄ ► cursors to move the items you want to change. Press "SEL" key and press cursors again to change numbers. Press "EXIT" to save and exit from this menu.

SOUND
Change sound volume. Press ◄ ► cursors to change volumes. Press "EXIT" to save and exit from this menu.

VELOCITY
Change ultrasound velocity. Press ◄ ► cursors to change values. Press "EXIT" to save and exit from this menu. The values will be changed from 1,400 to 2,000 m/s.

DATA SELECTION
AVERAGE: shows average of readings on each position
LATEST: shows the last measurement result
MINIMUM: shows minimum reading of measurements
Press "EXIT" to save and exit from this menu.

PRINTOUT
Press ◄ ► cursors to switch between two options.
STANDARD: prints all data on the screen
SIMPLE: prints all data except date and patient name
Press "EXIT" to save and exit from this menu.

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